

**OPTICAL ABSORBANCE SENSITIVITY AND RELIABILITY IMPROVEMENT VIA ROTATION OF
SAMPLE CONTAINER**

ABSTRACT OF THE DISCLOSURE

5 An absorption spectroscopy method comprising providing a sample in a container, rotating
the container, while rotating the container, directing a beam of electromagnetic radiation through the
container, the beam comprising one or more wavelengths selected from the group consisting of
visible wavelengths, infrared wavelengths, and ultraviolet wavelengths, and measuring
characteristics of the beam after it passes through the container. Also an absorption spectroscopy
10 apparatus comprising a container holder, a drive rotating the container holder, means for, while
rotating the container, directing a beam of electromagnetic radiation through the container, the beam
comprising one or more wavelengths selected from visible wavelengths, infrared wavelengths, and
ultraviolet wavelengths, and means for receiving the beam after passage through the container.